

Total DISTANCE IS THE ADDITION
OF ALL OF THE NUMBERS

Total DISPLACEMENT is the distance
of the direct line from Start
to Finish.

→ Distance depends on
the route traveled

194 m + 160 m

DISPLACEMENT

Displacement Does
NOT Depend on
the route taken.

$x(m)$ west	$t(s)$	$v(m/s)$ west	$x(m)$ NORTH	$t(s)$	$v(m/s)$ NORTH
8m	12.25	.65	5m	5.40	
8	10		5	3.94	
8	1.65		5	2.62	
8	4.69		5	3.16	
8	5.22		5	4.19	
8	12.59		5	4.63	
8	24.68		5	4.44	
8	5.02		5	4.16	
8	10.35				

$$V = \frac{X}{t}$$